

Docket No.: 94100423(EP)USC1X1C1D7D1 PDDD
USSN: 09/974,530

PATENT
Art Unit: 2613

This listing of claims will replace all prior versions, and listings of claims in the application:

LISTING OF CLAIMS:

Please amend claims 1, 2, 9, and 25.

Please cancel claims 12-24.

The remaining claims are unchanged.

1. (Currently amended) A method of processing video data, the method comprising:

receiving video data having portions encoded in accordance with respective different video standards, which may include a user data and an extension data associated with the respective different standards, the plurality of video standards defining corresponding start codes;

identifying a start code included in the received video data; and

processing the received video data in accordance with the video standard corresponding to the identified start code, the user data and the extension data.

2. (Currently amended) The method of claim 1 wherein the start code comprises an H.261 picture start code, and said extension data comprises an extra information bit in said video data.

3. (Original) The method of claim 1 wherein the start code comprises an MPEG (Motion Pictures Experts Group) start code.

4. (Original) The method of claim 1 wherein the start code comprises a

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JPEG (Joint Photographic Experts Group) start of scan marker.

5. (Original) The method of claim 1 wherein the start code comprises a start code used by a video format that encodes spatial and temporal video data.

6. (Original) The method of claim 1 wherein processing comprises decoding the received video data.

7. (Original) The method of claim 1 wherein processing comprises constructing one or more images for display based on the received video data.

8. (Original) The method of claim 1 wherein processing comprises rearranging one of the portions of received video data into an arrangement that complies with a different video standard.

9. (Currently amended) A method of processing video data, the method comprising:

receiving a first set of video data encoded in accordance with a first video standard, which may include a user data and an extension data associated with the respective different standards, and having a first start code defined by the first video standard;

determining the video standard of the first set of video data by identifying the first start code included in the first set of video data;

processing the first set of video data in accordance with a first video standard, the extension data and the user data;

receiving a second set of video data encoded in accordance with a second video standard, which may include a second user data and a second extension data associated with the respective different standards and having a second start code defined by the second video standard;

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determining the video standard of the second set of video data by identifying the second start code included in the second set of video data; and processing the second set of video data in accordance with the second video standard, the second user data and the second extension data.

10. (Original) The method of claim 9 wherein processing comprises decoding.

11. (Original) The method of claim 9 wherein one of the first or second video standards comprises one of the following: an MPEG (Motion Pictures Experts Group) standard, a JPEG (Joint Photographic Experts Group) standard, or an H.261 standard.

12 -24 (Cancelled)

25. (Currently amended) A method of processing video data, the method comprising:

receiving video data, including marker codes and optionally a user data and an extension data;

determining a video standard associated with the video data using the marker codes and said user data and said extension data;

generating one or more tokens for controlling decoding of the received video data by a decoding pipeline; and

decoding the received video data in the decoding pipeline.

26. (Original) The method of claim 25 wherein determining a video standard comprises identifying a start code or marker in the received video data.

27. (Original) The method of claim 25 wherein the video standard

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comprises at least one of the following: MPEG, JPEG, and H.261.

28. (Original) The method of claim 25 wherein generating one or more tokens comprises generating one or more tokens that configure the decoding pipeline for processing of the determined video standard.

29. (Original) The method of claim 25 wherein generating one or more tokens comprises generating one or more tokens demarcating the received video data.

30. (Original) The method of claim 29 wherein demarcating comprises identifying one or more of the following: a picture start, a picture end, a sequence start, and a group start.

31. (Original) The method of claim 25 wherein the pipeline comprises a Huffman decoder.

32. (Original) The method of claim 25 wherein the pipeline comprises instructions for an inverse discrete cosine transform upon a portion of the received video data.

33. (Original) The method of claim 25 wherein one of the one or more tokens comprises a picture start token that identifies the start of a picture in the received video data.

34. (Original) The method of claim 25 wherein one of the one or more tokens comprises a picture end token that identifies the end of a picture in the received video data.

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35. (Original) The method of claim 25 wherein one of the one or more tokens comprises a coding standard token that identifies the video standard of the received video data.

36. (Original) The method of claim 25 wherein one of the one or more tokens comprises a flush token that resets stages in the decoding pipeline.

37. (Original) The method of claim 36 wherein clearing the pipeline comprises resetting pipeline elements for reception of subsequent video data.